

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: [2842] 2SC799's GONE!!!
Message-ID: <9508270549.AA22167@deneb.csustan.edu>

Jim Cates has asked that I post that the 400 2SC799's are gone!! He says thank you for your orders and he was glad to be able to supply them.

If you missed this one, you messed up. He was selling 2SC799 transistors plus a heatsink at 10 for \$10. These are the final transistor in many of the QRP designs, and are very hard to find.

72, Doug, KI6DS

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [2847] <LONG>QRP+MOD FOR W1AW TROUBLE
Message-ID: <199508271332.JAA18760@dartvax.dartmouth.edu>

Hi All, I have completed a modification for fixing splatter on 80 meters regarding the W1AW code practice signal. For a quick catch up on the problem: W1AW broadcasts on 3.581.5 for buletins and code practice. A problem in the local oscilator of the Index Labs QRP+ rig was made accute due to the strong signal on this particular frequency. The spur was found in other bands as well, according to tests done at Index.

The fix was to move the braid on the L.O. from one place to another on the third board down in the rig.(Not as bad as it sounds).

It worked, for the most part. I believe that this is the frist step in cleaning up the receiver. Other minor problems exist. I can now hear the W1AW signal on 3.581.5. I could not do that before.(The audio had a buzz to it and was very much attenuated, even though the signal was 60 over 9). I can also hear it at several spots down the band, but not as bad as before. Using the 20 db pad, and a narrow C.W. filter setting is the key to listening to W1AW. Using the norrow filter can eliminate the spill over on the rest of the band.

Now for the rest of the problem. A whistle can be heard on certain frequencies. Can any one else duplicate this ? I'm wondering if this whiltle is unique to my radio.

Here are the results:

This test was done with no antenna connected to the radio and using the C.W. filter set to .2 KHz . A whistle was heard on the

following frequencies:

80 meters	40 meters	30 meters	20 meters
			13.999.2
3.518.8	7.027.8	10.113.4	14.083.2
3.570.6 = s 1.9	7.036.2		14.125.1
3.580.0	7.050.3		14.188.2
3.623.1	7.080.0		14.158.8
3.665.1	7.142.1 = s 3.2 loudest of all		
3.709.7	7.160.2		
3.749.1			
3.752.6			
3.780.6			
3.793.8 very low level here			

17 meters	15 meters	12 meters	10 meters
18.094.8	21.077.5	24.921.1	28.076.8
18.134.3	21.161.5		28.244.9
	21.250.6		28.418.3
	21.418.7		

The volume on the radio had to be turned up loud to hear the higher frequencies whistle. The lower frequencies could plainly be heard.

Bruce sent me a hand written diagram of the board and where to move the braid from and too. I will get that digitized and have it available as an attached file soon. Write to me directly and I'll send it to you.

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [2852] Colorado 14'er Event
Message-ID: <199508272247.QAA15774@uucp-1.csn.net>

The QRP HF portion was somewhat of a bust, the thunderstorms rolled in a bit early on Mt. Lincoln but the VHF/UHF portion was good. We worked twelve other peaks over 14,000.

72, Bob KI0G

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [2851] e-mail address for ARRL President
Message-ID: <199508271633.JAA27790@mailhost.primenet.com>

I finally got the correct e-mail address for Rod Stafford, KB7ZV.
Rod will be the ARRL rep at the IARU Region II meeting in Niagara
Falls next month, and if you have concerns about the RAC proposal
to realign the 40M band, let him know.

The address is: 2805867@mcimail.com

If you're an arrl member, this address might be handy anytime.

72, de Roger, AA7QY
aa7qy@primenet.com NorCal #1099 NEQRP #383

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: adam@philadelphia.libertynet.org (Adam O'Donnell)
Subject: [2839] Favorite QRP/Homebrew Books?
Message-ID: <9508270118.AA02343@philadelphia.libertynet.org>

Do you guys have any favorite QRP or Homebrew books? I am going to send
an order out to the ARRL this week. I already have the 1994 Handbook,
W1FB'S QRP Notebook and Low Profile Amateur Radio.

How is W1FB'S Design Notebook? Is the QRP Operators Manual any good?

Any others you suggest?

72

--

Adam O'Donnell, N3RCS
Amsat: N3RCS@AMSAT.ORG
Internet: ADAM@LIBERTYNET.ORG

"I want to know how God created this world. I am not interested in this or
that phenomenon. I want to know His thoughts, the rest are details."

-- Albert Einstein

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: Mike Connor <mikec@primenet.com>
Subject: [2840] Norcal Project
Message-ID: <Pine.BSI.3.91.950826180508.17896A-100000@usr5.primenet.com>

Greetings Group,

Just wanted to drop in and say thanks to all who responded to all my questions. Here's an update on where I'm at with the whole thing.

Received OHR wattmeter AND Norcal rig Thurs UPS. Built wattmeter Thurs night. Very impressed. Friday 6am stuffing resistors in Norcal board before work, wrappin toroids at midnight, got er all done and went to bed. Sat morn fired er up, no smoke, noise in headphones, good sign. Aligned it, tuned it, and got WAS by supper. Okay, maybe I stretched that last part just a little. Actually, I'd like to be able to tell you that I had no problems, but that is not the case. Receive wasn't alignin right, and after spendin more time than I shoulda I picked up the phone and called Bob at Wilderness. Seems I had T2 pointin North/South steada South/North. That fixed er right up. Won't be able to make first QSO till tomorrow, but thats OK, and that brings me to the real point of this message.

Guys, buildin that little box and hearin noise come out of it was FUN! Along about 11:45 last night I'm on turn 43 of a 61 turn toroid and I'm thinkin " what in the world are you doin up at this hour?" But it was FUN. Can't wait till tomorrow. More FUN. Hobby? Nope. More than that.

My thanks to all who responded to my questions, there are way too many of you to list individually. Hope to QSO all of you soon.
Hmmm, now which 30m rig to get.....

Mike

NQ7K

(Be glad when my ear catches back up to my fingers)...

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: dh@deneb.csustan.edu (Doug Hendricks)
Subject: [2844] NorCal Sierra Style Cases
Message-ID: <9508270551.AA22175@deneb.csustan.edu>

NorCal recently had a run of cases for the Cascade made. These are the same case as the Sierra, and we have had many requests for plain Sierra cases. So while we were ordering, we had 50 extra cases made.

The cases have a brushed aluminum finish, plain panels for the front and back, and are made of .062 aluminum. The snap latches are included, but not the screws and nuts.

To order send \$15 plus \$2 shipping and handling to:

Jim Cates
3241 Eastwood Rd.
Sacramento, CA
95821

Note that there were only 50 of these made. So, if you want one, don't delay.

72, Doug, KI6DS

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [2841] QRP ARCI Logo in .tif ?
Message-ID: <Pine.SUN.3.90.950826203146.11122A-100000@vortex>

Hello to all,

I am in need of a good ARCI Logo in a file format I can use. TIF would be fine, or anything windows paintbrush can use.

If anyone out there has or can make one, I sure would appreciate it.

Send e-mail for my ftp address.

Thanks, cul,

(Oct issue of the Quarterly almost ready for the printer)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
...ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: Rarland@Microserve.com (Rarland)

Subject: [2854] QRP Books

Message-ID: <9508272308.AA12208@dungeon.Microserve.Net>

Hi Gang:

Books orders for the following have been sent out:

Gabe Sellers, KG0NR

Chuck Livingston, KC7JKB

Steve Henry, AA0VB

Dan Goodwin, KD1XN

Don' forget: Lots more copies available of all 3 volumes, AND September 2nd is "Kick Your Bull Mastiff Day" and September 3rd is "Nurse Your Bull Mastiff Bite Day"! So, with these two prestigious holidays in a row, now is the time to order a set of QRP books to help celebrate!

Vol-I, Basic QRP and Vol-III, QRP Gear are \$13.50 each including book rate postage.

Vol-II, Advanced QRP OPerating, is \$17.00 including book rate postage.

All three volumes: \$40. plus \$4 priority mail anywhere in the US.

Checks/Money Orders (in US funds, ONLY) to:

Rich Arland

PO Box 1782

Shavertown, PA 18708

73 es enjoy the holidays!

rich

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995

From: dh@deneb.csustan.edu (Doug Hendricks)

Subject: [2843] Sierra Band Modules CHEAP!

Message-ID: <9508270550.AA22171@deneb.csustan.edu>

Guys, I hope that you have all of the band modules that you need for your Sierras. We have only received 6 or 7 orders, and I am amazed. If you ever think that you might want to put your Sierra on another band, you will need a band module. We originally had these made because at that time we thought we would do another run of Sierras which we will not do.

We have several Sierra band module boards that were left over from the run of Sierras that NorCal did last fall. Each band module consists of the board, cover, spacers, screws and wire. You would have to supply the parts, such as trimmers, toroids and caps + crystals. The price for these is \$3 each or 4 for \$10 plus \$1 shipping for each order in the US, and \$3 for DX shipping.

If you ordered a Sierra and want to put it on more bands, here is your chance. Send your orders to:

Jim Cates, WA6GER
3241 Eastwood Road
Sacramento, CA
95821

Payment is in US funds and if you send a check or money order, make it out to Jim Cates, NOT NorCal!! When these are gone, they are gone. So be sure to order if you are interested.

72, Doug, KI6DS

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: cebik@UTKVVX.UTCC.UTK.EDU
Subject: [2846] Re: 2SC799's GONE!!!
Message-ID: <Pine.PMDF.3.91.950827070436.545441524B-1000000@utkvx.utk.edu>

On Sun, 27 Aug 1995, Doug Hendricks wrote:

> If you missed this one, you messed up. He was selling 2SC799 transistors
> plus a heatsink at 10 for \$10. These are the final transistor in many of
> the QRP designs, and are very hard to find.
> 72, Doug, KI6DS

It hurts more to know what I missed than not to know what I missed or that I missed it. And on a Sunday AM no less.

LB, W4RNL

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: msdooley@rdxsunhost.aud.alcatel.com (Michael S. Dooley)
Subject: [2853] Re: Hamstick Caution... and a little more
Message-ID: <9508272249.AA01912@collie.aud.alcatel.com>

Jim Fitton writes:

> My Hamstick-40 with the single magnet Lakeview mount has been falling
> the car going over 60 mph.....
> Also, I have not made any contacts lately.....
> Has anyone put a curse on me ? Hopefully not on CW.....

> Is the life of the antenna 2 weeks ?
> 72 Jim W1FMR

the two phenomena above are directly related. When you go too fast while operating mobile, the atmospheric molecules rushing past the mobile antenna cause the RF to stay contained in the antenna (hence no contacts). This buildup of RF causes an increase in the EMF generated by the antenna, primarily at its ends. Once the force level overcomes the magnetic properties of the mag mount the antenna pops off the vehicle. For QRP folks this normally doesn't happen until upwards of 90 mph. So Jim, what was that loud booming noise we heard on 40 meters the other day? Sonic QRP? 8-)

Mike Dooley KE4PC

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [2855] RE: IARU Region II General Assembly Mtg
Message-ID: <199508272316.QAA23371@mailhost.primenet.com>

>Date: Sun, 27 Aug 95 15:53 EST
>From: "Rodney J. Stafford" <0002805867@mcimail.com>
>To: Roger Hightower <aa7qy@primenet.com>
>Subject: RE: IARU Region II General Assembly Mtg
>
>Roger -- Let me check into the matter and I'll get back to you. I had
>not seen or heard about the proposal. Rod
>
>
aa7qy@primenet.com NorCal #1099 NEQRP #383

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: JCoote@aol.com
Subject: [2836] Re: Laws of Physics cancelled!
Message-ID: <950826200235_64103035@mail02.mail.aol.com>

Someone enlighten me too...

I thought the discone's gain was equivalent to that of a 1/4 wave. The antenna behaves like a 1/4 wave GP or vertical dipole across most of it's bandwidth.

Perhaps that ham's discone used the "wet noodle" gain reference most Japanese and certain US ham antenna manufacturers use, rather than the dipole or isotropic standards preferred by non-ham manufacturers?

A few footnotes on VHF/UHF discones. Some models advertise 25-1300 Mhz coverage which is bogus. These discones (e.g. Radio Shack) are a design which only covers about 140-1300 Mhz. One discone featured an added 49-Mhz whip on the top and boasted 25-1300 Mhz coverage but was really 49 and 140-1300 Mhz. I doubt the 800-1300 Mhz coverage in these discones is very good. A cheap SO-239 is used, which probably makes a nice UHF attenuator. A company called Kreco in Pennsylvania makes good heavy duty discones and they sell models covering 30-2000 Mhz.

The radials in the "cone" part of true discone antenna are normally $1/4$ wavelength at the lowest frequency, so for 10 meters that means 8 to 10 drooping radials about 8 feet in length.

Here's a thought.. maybe that 6 dB discone used superconductors ; -p

73, Jay
WB6AAM

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: cebik@UTKVM.UTCC.UTK.EDU
Subject: [2838] Re: Laws of Physics cancelled!
Message-ID: <Pine.PMDF.3.91.950826211533.545411921G-100000@utkvm.utk.edu>

On Sat, 26 Aug 1995 JCoote@aol.com wrote:

> I thought the discone's gain was equivalent to that of a $1/4$ wave. The
> antenna behaves like a $1/4$ wave GP or vertical dipole across most of it's
> bandwidth.

Yup, a single vertical discone is still a vertical $1/4$ wave and a pair is still a dipole.

>

> Here's a thought.. maybe that 6 dB discone used superconductors ; -p
Since we can ask, 6 dB over what, the answer might be 6 dB over a 50-ohm resistor.

LB, W4RNL

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995
From: Allen Jones <ajones@niiia.net>
Subject: [2848] Re: Laws of Physics cancelled!

Message-ID: <199508271656.LAA27595@silver.niia.net>

At 08:17 PM 8/25/95 EDT, you wrote:

>Gang,

>

>Someone please stop me if I have lost my senses.

>

>Just read "A Discone Antenna for 10 Meters" from the September issue of 73

>Amateur Radio Today, page 32.

>

>By using a conical shaped antenna element in the form of a dipole, the author
>claims to have a 10 ft., single element antenna that has 6 db gain across the
>entire band, the same as a three element 10 meter yagi.

>

>To quote the author, " This discone antenna has a gain of 6 dB across the
>entire 10 meter band. How does it do this? It has an infinite number of
>half waves in parallel for a radiation pattern. It always has the right
>angle of radiation because of the rotating field pattern."

>

>Boy, have I been out of it.

>

>But I have a problem. I admit that I cannot understand how this could be.

> Could one of the technical wizards on the net please enlighten me? I'd be
>forever grateful.

>

>72

>Ed Manuel, N5EM

>n5em@aol.com

>

>

I'm afraid I can't help you out Ed. My only background in electronics (or
physics) is via amateur radio. This 73 article had me so confused that I
immediately sent the particulars of this fantastic new antenna to Kurt N.
Sterba at World Radio Magazine for his enlightenment.

Wonder if that article was really ment for the April issue of 73 instead of
September?.

73 de Allen, K9DZE

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995

From: cebik@UTKVX.UTCC.UTK.EDU

Subject: [2845] Re: QRP ARCI Logo in .tif ?

Message-ID: <Pine.PMDF.3.91.950827064833.545441524A-100000@utkvx.utk.edu>

On Sat, 26 Aug 1995, Monte Stark wrote:

> I am in need of a good ARCI Logo in a file format I can
> use. TIF would be fine, or anything windows paintbrush
> can use.

> If anyone out there has or can make one, I sure would
> appreciate it.

Ron (and all),

If you have a fairly sharp copy of the logo (applies to any logo) in moderate size, here's the way I get them into .TIF or .WPG or .PCX, etc.

1. Photocopy enlarge the logo until it meets the largest size paper that a gray scale scanner will copy. But wait, do not hit the scanner yet.

2. Examine the photocopy enlargement. Most copiers will leave grays or whites in all-black areas. Some edges that are supposed to be smooth are rough. I take a black felt tip pen (actually a couple: fine tip for edge lines, broader one for fill-in areas) and touch up the enlarged copy as perfect as my hand can do it.

3. Now hit the scanner. Work with the brightness and contrast controls until you as happy as you can be with the output. Remember that the scanned figure is not supposed to be used at the 8" by 10" size of the original scan. By the time you half-size it or quarter size it, all the rough edges will print smoothly. Save the final version in a format that converts easily into the maximum number of formats, including the one your word processor uses for graphics.

I have used this system with success with logos as simple as a pair of block letters (UT) and as complex as the 10-10 logo with all those cats, words, and meters. With scanners now up to 2400 level matrices, it should be possible to handle even more complex logos than these.

A caution: when you hit the scanner, be sure that the image is as square to the scanner plate as possible. Thin lines need to be carefully squared to avoid offsets in the scanned image in many formats.

Hope this is useful to someone.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995

From: cebik@UTKVX.UTCC.UTK.EDU

Subject: [2837] Re: There is hope!

Message-ID: <Pine.PMDF.3.91.950826205003.545411921C-100000@utkvx.utk.edu>

On Sat, 26 Aug 1995, Zack Widup wrote:

>

> I was eligible for QCWA at age 39 (that's the real 39, not Jack Benny 39) :-)

Being young is not everything. I got into life membership of ARRL, QCWA, and 10-10 when all were dirt cheap and have been getting free services for years now (long after they used up my money at the annual dues rates in effect plus interest earned). Bought my OHR WM-1 with just the \$ saved on the three dues for this year. If you are young, buy those life memberships ASAP; then live forever to get even with everything the group does wrong. And enjoy every minute of it.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995

From: AE4KN@aol.com

Subject: [2849] Re: There is hope!

Message-ID: <950827144734_84567356@mail04.mail.aol.com>

Do ya have his callsign? I run an HF net for kids, and we're always looking for members like that.

Thanks,

Chris, AE4KN

From qrp-1@lehigh.edu Sun Aug 27 19:39:00 1995

From: AE4KN@aol.com

Subject: [2850] Re: There is hope!

Message-ID: <950827145322_84571038@mail02.mail.aol.com>

By the way, I'm 14, and my club wouldn't LET me be a life member!!

Something about us punks having it all easy :)

"When I was a kid....."

73/72 de AE4KN